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62,33

# Cooperative Vegetable Seed Service



**1935**

*Cooperative Service Interprets  
Consumer Values*

*Dependable Seed Must Be Based  
Upon Proven Performance*

**Eastern States Farmers' Exchange**  
Headquarters: Springfield, Mass.





*Penn State Ballhead Cabbage has produced 26 tons per acre. We offer our members seed of the official strain developed by Dr. C. E. Myers of the Pennsylvania State College.*



## Cooperative Vegetable Seed Service

Successful gardening is dependent, to a large extent, upon the character of seed used. Through experience farmers have come to recognize the need for a cooperative vegetable seed service for more dependable crop production of the desired type and economy in the purchase of their basic and most important raw material — seeds.

## Farmer Ownership and Control

The Eastern States Farmers' Exchange is a non-stock, non-profit cooperative organization, owned and controlled by the farmers it serves. The only requirement for membership is participation and each member benefits in proportion to his purchases. Through a large volume of cooperative business farmers have accumulated adequate capital, developed ample facilities and employed trained personnel to carry out the sole purpose — service to its members.

## Method of Procedure

Information is assembled from producers, marketing agencies, processors and consumers to ascertain the types of the various vegetables preferred because of their superiority in production, distribution, manufacture and consumption.

## Extensive Trials in Many Places

Seed performance is observed by comparing the most promising varieties, strains and seed sources in order to determine their adaptation to the principal vegetable producing regions, trueness to the desired types, productiveness and resistance to or freedom from disease.

## Seed Improvement Is Thorough

Plant breeding operations are performed by trained specialists working in cooperation with State Experiment Stations and the United States Department of Agriculture. In-breeding purifies strains so that they come true with uniformity; hybridization instills extreme vigor; cross-breeding creates new lines of the desired type; progeny reproduction affords pureline selections; and mass production assures economy in the development of a

seed supply with this type of inheritance for dependable performance.

## Seed Is Treated to Control Disease

Disease control, through a complete schedule of seed treatment, is performed at its source before the seeds are shipped because here the deadly chemicals and delicate heat treatments are most effectively applied, accurately controlled and economically done. (See kind of seed treatment over each commodity quoted.) \*

## The Exchange Keeps a Complete Record of Each Lot of Seed

Each lot of seed distributed will show a report of its germination, the date of test and will be identified by a brief descriptive name. In our records every lot will be identified with each purchase by a code mark which represents a complete history of the strain. The crop will tell its own story to the gardener, the produce buyer and the ultimate consumer. Future seed distribution must be based upon satisfactory performance and economical distribution.

## Suggestions for Trial Tests

The seed supply is procured through the multiplication of our own foundation seed stocks and by purchases from sources of proven merit. Every lot of seed distributed is tested for vitality and proven in our trials by plant growth to productive maturity. The seed is thoroughly cleaned, graded or hand-picked and thus refined with a margin of safety for true economic values and uniformity in a field stand.

However, one identical lot of seed may perform quite differently under a variety of soil, weather or cultural conditions. It is therefore essential to make several plantings in different places at intervals in the planting season. This will assure a higher degree of satisfaction to the grower who desires to make comparison tests.

Since this service is a means of improvement over ordinary sources of seed, the Exchange reserves the privilege of filling orders by including a small amount of one or several promising strains to be compared with the particular strain originally selected to fill the order.

\* Corrosive sublimate treatment may be substituted for hot water treatment if necessary to maintain strong vitality. Organic Mercury treatments may replace Red Copper Oxide whenever seedling vigor can be increased.





## HOME GARDEN SERVICE

Home garden assortments are offered at a considerable saving. Each packet is a standard Eastern States extra large packet valued throughout this catalog at 10c each or more. This saving is made possible by the economy of uniform advance assembly and volume in distribution. No substitutions can be made within an assortment or group, but anyone may purchase as many assortments and groups as their needs require. Items desired which do not appear in the chosen assortment, or where a larger quantity is needed, can be ordered in single packets or larger quantities from the regular list in addition to the assortment selected.

A packet contains sufficient seed of its kind for the average family. Where a continuous supply is desired, succession plantings should be made or a larger assortment purchased with a greater number of varieties which, when planted at one time, mature early, mid-season and late. This is especially true of beans, beets, cabbage, carrots, celery, corn, melons, peas, peppers, pumpkin, radish, spinach, squash, tomato and turnip. Home gardeners are advised to order from the following assortments and groups: (Any group from No. 1 to No. 16 may be purchased separately at 35c for all items in any one group).

## HOME GARDEN ASSORTMENTS

Assortment A @ \$1.75 — 21 Vegetables — 25 Varieties as checked in column A  
Assortment B @ \$3.50 — 27 Vegetables — 50 Varieties as checked in column B  
Assortment C @ \$5.50 — 35 Vegetables — 80 Varieties as checked in column C  
Individual Groups @ .35 — Choose in addition to assortments any groups from No. 1 to 16

A	B	C	Group	A	B	C	Group
	x	x	<b>Beans—Bush (6 oz. each)</b>		x	x	<b>Pumpkin (1 oz. each)</b>
x	x	x	Bountiful Green Pod	x	x	x	Connecticut Field
x	x	x	Stringless Green Pod				Winter Luxury
	x	x	Brittle Wax	x	x	x	<b>Squash (½ oz. each)</b>
	x	x	French Horticultural				Summer Straight Neck
	x	x	Fordhook Bush Lima	x	x	x	Des Moines (Table Queen)
				x	x	x	Golden Delicious
				x	x	x	Blue Hubbard
	x	x	<b>Beans—Pole (6 oz. each)</b>				<b>Endive (1 oz.)</b>
	x	x	Sieva (Small Lima)	x	x	x	Batavian Full Heart
	x	x	King of Garden Lima				<b>Kale (1 oz.)</b>
	x	x	Kentucky Wonder Green	x	x	x	Blue Scotch
	x	x	Golden Cluster Wax				<b>Lettuce (1 oz. each)</b>
	x	x	Mam. Horticultural	x	x	x	Early Curled Simpson
				x	x	x	White Boston
				x	x	x	New York No. 12
x	x	x	<b>Beet—Table (1 oz. each)</b>				White Paris Cos
	x	x	Crosby (Early Wonder)				<b>Onions (¼ oz. each)</b>
	x	x	Detroit	x	x	x	Early Yellow Globe
	x	x	<b>Carrot (½ oz. each)</b>	x	x	x	Yellow Globe Danvers
	x	x	Chantenay				Riverside Sweet Spanish
	x	x	Nantes	x	x	x	Southport White Globe
	x	x	Imperator				<b>Leek (¼ oz.)</b>
	x	x	<b>Chard (1 oz.)</b>	x	x	x	Large American Flag
			Lucullus				<b>Parsley (1 oz.)</b>
	x	x	<b>Cabbage (¼ oz. each)</b>	x	x	x	Peerless Moss Curled
	x	x	Golden Acre	x	x	x	<b>Parsnip (1 oz.)</b>
	x	x	Glory of Enkhuizen				Imp. Hollow Crown
	x	x	Penn State Ballhead	x	x	x	<b>Salsify (¼ oz.)</b>
	x	x	Drumhead Savoy				Mam. Sandwich Island
	x	x	Mammoth Rock Red	x	x	x	<b>Spinach (4-4-1 oz.)</b>
							Long Standing Savoy
							Va. Blight Resistant
							New Zealand
x	x	x	<b>Broccoli (¼ oz.)</b>				<b>Peas (6 oz. each)</b>
	x	x	Calabrese	x	x	x	World's Record
	x	x	<b>Brussels Sprouts (¼ oz.)</b>	x	x	x	Little Marvel
			Long Island Improved	x	x	x	Laxtonian
	x	x	<b>Cauliflower (1/16 oz.)</b>				Alderman
	x	x	Catskill (T.M. 3)				Dwarf Gray Sugar
	x	x	<b>Chinese Cabbage (¼ oz.)</b>				<b>Egg Plant (½ oz.)</b>
			Petstai	x	x	x	Black King (Jap. Hybrid)
	x	x	<b>Kohl Rabi (¼ oz.)</b>				<b>Pepper (½ oz. each)</b>
			Purple Vienna	x	x	x	Giant King
							California Wonder
							<b>Tomato (¼-¼-¼-¼ oz.)</b>
x	x	x	<b>*Corn—Yellow (6 oz. each)</b>				Penn State Earliana
	x	x	Golden Early Market				Pritchard
	x	x	Golden Bantam	x	x	x	Marglobe
	x	x	Whipples Early				Golden Queen
	x	x	Bantam Evergreen				<b>Radish (1 oz. each)</b>
	x	x	<b>Corn—Pop (6 oz.)</b>	x	x	x	Scarlet Globe
			Japanese Hulless				Sparkler White Tip
				x	x	x	White Icicle
							Chinese Celestial
x	x	x	<b>*Corn—White (6 oz. each)</b>				<b>Turnip (1 oz.)</b>
	x	x	Howling Mob	x	x	x	Purple Top White Globe
	x	x	Country Gentleman				<b>Rutabaga (1 oz.)</b>
	x	x	Narrow Gr. Evergreen				Long Island Neckless
	x	x	Red Green Hybrid				
	x	x	<b>Corn—Pop (6 oz.)</b>				
			Japanese Hulless				
x	x	x	<b>Celery (¾-¾-1/16 oz.)</b>				
	x	x	Golden Plume				
	x	x	Easy Blanching				
	x	x	Pascal (Jersey)				
	x	x	<b>Cucumber (½ oz. each)</b>				
	x	x	Association Pickling				
	x	x	Clark's Special				
			<b>Muskmelon (½ oz. each)</b>				
			Emerald Gem				
	x	x	Honey Rock				
	x	x	Bender's Surprise				

\* Either yellow or white corn is optional in assortment A, B or C. Specify white corn if desired; otherwise yellow corn will be furnished.



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O O P E R A T I V E

# Vegetable Seed Service



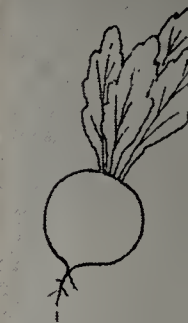
## TERMS AND CONDITIONS

Prices of seed, except roots, include bags and transportation in Eastern States territory by parcel post, express or freight at our option (at lowest cost). If shipment is requested by Express or Parcel Post, the buyer agrees to pay transportation charges. Shipments will be made C.O.D. charges collect unless full payment accompanies the order. Prices are subject to change without notice. All orders are subject to confirmation and satisfactory stocks on hand at time of shipment which shall be made as requested any time during 1935.

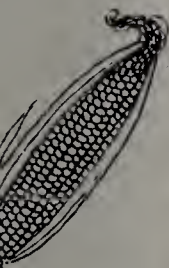
The Eastern States Farmers' Exchange of Springfield, Mass., has exercised all reasonable precautions in the production and distribution of this seed; but cannot be responsible for the operation of Nature's laws; nor govern the conditions under which the crop is grown. Therefore, upon the acceptance of this seed, it is mutually agreed that the Eastern States Farmers' Exchange gives no warranty express or implied, concerning the description, quality, productiveness or condition of the crop and shall in no case be liable for more than the amount actually paid for the seed. Statements of germination, description and other information are given as the report of our tests, observations and advice.

It is further mutually agreed by both the member buyer and the Exchange that in case of partial or total crop failure of any or all crops purchased, planted or caused to be planted by the Exchange for the purpose of procuring the quantities and varieties of seed purchased by the member, or in case of damage to, or destruction of the intended stock seed before planting, or to the products of such plantings, or to any seed of these varieties now on hand to be delivered, through fire, accident or otherwise, the Exchange shall be obliged to deliver proportionate quantities only after reserving an amount of stock seed equal to that used in its plantings.

*Eastern States spinach seed treatment protects against damping-off. No treatment on right.*







*Mary Washington asparagus. Large, green, rust resistant.*



*New stringless green pods are productive, long, round and succulent, smooth fleshy pods, sometimes called Tendergreen.*

Order from this Column of Eastern States Vegetables	Days to Harvest	(Kind of Seed Treatment) Description of Type	Delivered prices per lb. or fraction. No charge for bags or transportation. Prices include seed treatment wherever specified.				
<b>Asparagus Seed</b>		(Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Mary Washington	4 yrs.	Large green Rust res't. early	$\frac{1}{2}$ oz. .10	1.50	1.35	1.25	1.20
<b>Roots</b>			Packed F.O.B. \$1.50 per 100, \$7.50 per 1000				
Mary Washington	3 yrs. 1 Yr. same						
<b>Bean—Bush green snap</b>		(No Treatment Advised)	Packet	5 lb.	10 lb.	25 lb.	100 lb.
Bountiful	49	Flat pod, early	6 oz. .10	.18	.16	.15	.13
Low's Champion	55	Flat pod, shell mid late	" .10	.18	.16	.15	.13
Stringless Valentine	48	Round pod, early	" .10	.18	.16	.15	.13
Stringless Green Pod (Tendergreen)	52	Round pod, 2nd early	" .10	.18	.16	.15	.13
Stringless Refugee	70	Round pod, late	" .10	.18	.16	.15	.13
<b>Bean—Bush wax snap</b>		(No Treatment Advised)	Packet	5 lb.	10 lb.	25 lb.	100 lb.
Sure Crop	53	Flat pod, black seed	6 oz. .10	.18	.16	.15	.13
Pencil Pod	50	Round pod, black seed	" .10	.18	.16	.15	.13
Brittle Wax (Round Pod Kidney Wax)	52	Round pod, white seed	" .10	.18	.16	.15	.13
<b>Bean—Bush shell or field</b>		(No Treatment Advised)	Packet	5 lb.	10 lb.	25 lb.	100 lb.
French's Horticultural	65	Mottled red-green pod	6 oz. .10	.20	.18	.16	.14
Geneva Red Kidney	95	Red kidney, disease res't.	" .10	.16	.14	.12	.10
Michigan Robust Pea	90	Navy pea, disease res't.	" .10	.16	.14	.12	.10
Maine Yellow Eye	90	Yellow eye, runner type	" .10	.16	.14	.12	.10
<b>Bean—Bush lima</b>		(No Treatment Advised)	Packet	5 lb.	10 lb.	25 lb.	100 lb.
Henderson	68	Small seeded canner	6 oz. .10	.18	.16	.15	.13
Fordhook	75	Large seeded potato type	" .10	.25	.22	.20	.18
<b>Bean—Pole lima</b>		(No Treatment Advised)	Packet	5 lb.	10 lb.	25 lb.	100 lb.
Sieva	75	Small seeded canner	6 oz. .10	.22	.20	.18	.16
Leviathan	79	Large seeded, early	" .10	.25	.22	.20	.18
King of Garden	85	Large seeded, 2nd early	" .10	.25	.22	.20	.18
<b>Bean—Pole snap</b>		(No Treatment Advised)	Packet	5 lb.	10 lb.	25 lb.	100 lb.
Kentucky Wonder	65	Green round pod	6 oz. .10	.18	.16	.15	.13
Golden Cluster	74	Wax flat pod	" .10	.22	.20	.18	.16
Cranberry	70	Mottled shell	" .10	.25	.22	.20	.18

*Pencil Pod Black Wax.  
A dependable yielder.*

*Fordhook Bush Limas are large fat beans of exceptional quality.  
Long well filled pods are borne in clusters. Very prolific.*







*Green Sprouting Calabrese Broccoli.  
A popular vegetable for home or  
market use.*



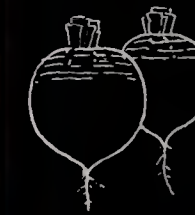
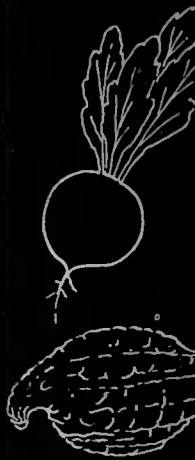
*Perfected Detroit and Crosby (Early  
Wonder). The standard varieties in  
every garden.*

Order from this Column of Eastern States Vegetables	Days to Harvest	(Kind of Seed Treatment) Description of Type	Delivered prices per lb. or fraction. No charge for bags or transportation. Prices include seed treatment wherever specified.				
<b>Beet—Table</b>		(Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Egyptian	60	Early forcing, flat	1 oz. .10	1.00	.85	.75	.70
Crosby (Early Wonder)	58	Early market, oval	" .10	1.00	.85	.75	.70
Detroit	65	Late market, globe	" .10	1.00	.85	.75	.70
Ohio Canner	60	All season canner, globe	" .10	1.00	.85	.75	.70
<b>Beet—Stock Mangel Wurzel</b>		(Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Giant Sludstrup	90	Yellow oval, white flesh	1 oz. .10	.75	.65	.55	.50
Mammoth Long Red	95	Red taper, rose-white flesh	" .10	.75	.65	.55	.50
<b>Broccoli</b>		(Hot Water and Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Calabrese	60	Green sprouting	¼ oz. .10	.25	.75	2.50	2.25
<b>Brussels Sprouts</b>		(Hot Water and Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Long Island Improved	95	Half dwarf	¼ oz. .10	.25	.75	2.50	2.25
<b>Cabbage—Smooth green</b>		(Hot Water and Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Copenhagen (Golden Acre) Elite	68	Round early, special	½ oz. .10	.50	1.50	5.00	4.50
Copenhagen (Golden Acre) Regular	70	Round early, regular	¼ oz. .10	.25	.75	2.50	2.25
Glory of Enkhuizen	80	Round mid season	" .10	.25	.75	2.50	2.25
Short Stem Ballhead	105	Round late, regular	" .10	.25	.75	2.50	2.25
Penn State Ballhead (Official strain)	110	Round late, special	" .10	.30	.90	3.00	2.75
<b>Cabbage—Specialties</b>		(Hot Water and Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Drumhead Savoy	90	Savoy green flat, late	¼ oz. .10	.25	.75	2.50	2.25
Mammoth Red Danish	105	Smooth red round, late	" .10	.25	.75	2.50	2.25
Mammoth Rock Red	110	Smooth red oval, late	" .10	.25	.75	2.50	2.25
<b>Cabbage—Chinese</b>		(Hot Water and Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Chihli	80	Tall	¼ oz. .10	.25	.75	2.50	2.25
Pe Tsai	75	Medium	" .10	.25	.75	2.50	2.25

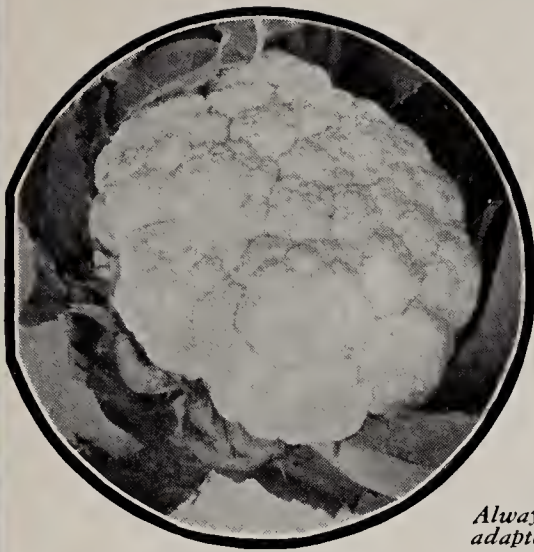
*Drumhead Savoy below is a popular specialty.  
Creamy white inside and an attractive deep  
green savoy leaf.*



*Copenhagen (Golden Acre). The first  
early cabbage for forcing. Fine texture  
and flavor. Used also for succession  
plantings in early summer.*







*Always use several Eastern States strains of adapted cauliflower for best results. Chantenay carrots for the early market.*

Order from this Column of Eastern States Vegetables	Days to Harvest	(Kind of Seed Treatment) Description of Type	Delivered prices per lb. or fraction. No charge for bags or transportation. Prices include seed treatment wherever specified.				
<b>Cauliflower</b>		(Hot Water and Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Danish Early Snowball	55	Early simultaneous	⅛ oz. .25	1.50	5.00	18.00	16.00
Holland Erfurt	65	Main crop Erfurt	" .25	1.50	5.00	18.00	16.00
Catskill Snowball TM 3	67	Main crop Snowball	" .25	1.50	5.00	18.00	16.00
<b>Carrot</b>		(Red Copper Oxide)	Packet	¼ lb.	1 lb.	5 lb.	10 lb.
Nantes Long	70	Half long, cylindrical early	½ oz. .10	.50	1.50	1.25	1.00
Hutchinson	80	Long, cylindrical late	" .10	.50	1.50	1.25	1.00
Chantenay (Red Cored)	68	Short, tapering early	" .10	.50	1.50	1.25	1.00
Imperator (Perfection) (New Long Bunching)	75	Long tapering 2nd early	" .10	.50	1.50	1.25	1.00
Danvers	80	Half long, tapering late	" .10	.50	1.50	1.25	1.00
<b>Celery—Yellow Easy Bleaching</b>		(Hot Water and Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Golden Self Bl'g (Cal.)	118	Long, early forcing	⅛ oz. .10	.50	1.50	5.00	4.50
Golden Self Bl'g (Jersey)	120	Long, full heart, late	" .25	1.50	5.00	18.00	16.00
Golden Plume (Cal.)	110	Short, full heart, early	" .10	.50	1.50	5.00	4.50
Golden Plume (Jersey St.)	115	Long, full heart, 2nd early	" .25	1.50	5.00	18.00	16.00
<b>Celery—Green thick rib</b>		(Hot Water and Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Easy Blanching (Cal.)	125	Long, full heart, early	¼ oz. .10	.25	.75	2.50	2.25
Easy Blanching (Jersey)	130	Long, full heart, 2nd early	⅛ oz. .25	1.50	5.00	18.00	16.00
Pascal (Jersey Strain)	135	Long, full heart, late	⅛ oz. .25	1.50	5.00	18.00	16.00
Pascal (Cal. Strain)	135	Long, full heart, late	¼ oz. .10	.25	.75	2.50	2.25
<b>Chard—Swiss Savoyed</b>		(Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Lucullus	55	Light leaf, large rib	1 oz. .10	1.00	.85	.75	.70
Fordhook Giant	55	Dark leaf, large rib	" .10	1.00	.85	.75	.70



*Danvers for late storage. Imperator and Nantes for highest quality.*



*Tall Golden Self Blanching on left. Golden Plume on right. Select your favorite type. Pascal for highest quality in green celery. All full hearted, thick ribbed, crisp and delicious.*





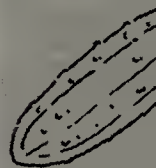
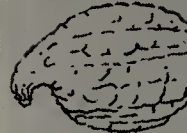
*Country Gentlemen. The sweet deep kernel.*

*(Top) Golden Cross Bantam, a hybrid of highest quality.  
(Bottom) Golden Sunshine.*

*Spancross is a new early hybrid.*

Order from this Column of Eastern States Vegetables	Days to Harvest	(Kind of Seed Treatment) Description of Type	Delivered prices per lb. or fraction. No charge for bags or transportation. Prices include seed treatment wherever specified.				
<b>Corn—Sweet yellow hybrid</b>		(Semesan Jr.)	Packet	5 lb.	10 lb.	25 lb.	100 lb.
Spancross 2	75	Very wilt resistant	4 oz. .20	.60	.50	.40	.35
Spancross 39	79	Very wilt resistant	" .20	.60	.50	.40	.35
Marcross 39	82	Very wilt resistant	" .20	.60	.50	.40	.35
Whipcross 7.2	84	Very wilt resistant	" .20	.60	.50	.40	.35
Whipcross 39	86	Very wilt resistant	" .20	.60	.50	.40	.35
Top Cross Sunshine	86	Part wilt res't, 2nd early	" .15	.50	.40	.30	.25
Golden Cross Bantam	88	Very wilt res't, 2nd early	" .15	.50	.40	.30	.25
Bantam Ev'gr'n Hybrid	89	Very wilt res't, late	" .25	.75	.65	.55	.50
<b>Corn—Sweet white hybrid</b>		(Semesan Jr.)	Packet	5 lb.	10 lb.	25 lb.	100 lb.
Country Gent. Hybrid	90	Very wilt res't, mid season	4 oz. .25	.75	.65	.55	.50
Evergreen Hybrid	94	Very wilt res't, mid late	" .25	.75	.65	.55	.50
Red Green Hybrid	95	Very wilt res't, late	" .25	.75	.65	.55	.50
<b>Corn—Sweet yellow open pollinated</b>		(Semesan Jr.)	Packet	5 lb.	10 lb.	25 lb.	100 lb.
Golden Early Market	75	Wilt susceptible, early	6 oz. .10	.18	.16	.15	.13
Golden Sunshine	79	Wilt susceptible, 2nd early	" .10	.18	.16	.15	.13
Golden Bantam	80	Wilt susceptible, mid season	" .10	.18	.16	.15	.13
Whipples Early Yellow	84	Wilt susceptible, mid season	" .10	.18	.16	.15	.13
Bantam Evergreen	89	Partial wilt res't, late	" .10	.18	.16	.15	.13
<b>Corn—Sweet white open pollinated</b>		(Semesan Jr.)	Packet	5 lb.	10 lb.	25 lb.	100 lb.
Howling Mob	85	Wilt susceptible, 2nd early	6 oz. .10	.18	.16	.15	.13
Country Gentleman	90	Part res't, mid season	" .10	.18	.16	.15	.13
Narrow Grained ev'gr'n	95	Part res't, late	" .10	.18	.16	.15	.13
<b>Corn Pop—Wilt susceptible</b>		(Semesan Jr.)	Packet	5 lb.	10 lb.	25 lb.	100 lb.
Japanese Hulless	85	White, early	6 oz. .10	.18	.16	.15	.13
College Sunburst	110	Yellow, mid season	" .10	.18	.16	.15	.13

*The Exchange cooperates with the Connecticut Experiment Station in making available its new hybrid varieties noted for their productiveness, uniformity and disease resistance.*







*Kohl Rabi, a delicious vegetable should be in every garden.*

*{Top} Black King an extra early egg plant of unusual merit.*

*Blue Scotch Kale is deeply crinkled and very winter hardy.*

*{Bottom} Note the deep crisp flesh and small seed cavity of Clark's Special cucumber.*

Order from this Column of Eastern States Vegetables	Days to Harvest	(Kind of Seed Treatment) Description of Type	Delivered prices per lb. or fraction. No charge for bags or transportation. Prices include seed treatment wherever specified.				
<b>Cucumber—Pickling</b>		(Corrosive Sublimate and Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Association Pickling	54	Small prolific	1/2 oz. .10	2.75	2.50	2.25	2.00
Chicago Pickling	59	Large prolific	" .10	2.75	2.50	2.25	2.00
<b>Cucumber—Slicing</b>		(Corrosive Sublimate and Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Davis Perfect	65	Short thick	1/2 oz. .10	2.75	2.50	2.25	2.00
Clark's Special	63	Intermediate	" .10	2.75	2.50	2.25	2.00
Longfellow	70	Long Cylindrical	" .10	2.75	2.50	2.25	2.00
<b>Dandelion</b>		(Red Copper Oxide)	Packet	1 oz.	1/4 lb.	1 lb.	5 lb.
Arlington Broad Leaf	175	Large thick leaf	1/4 oz. .10	.35	1.00	3.50	3.25
<b>Egg Plant</b>		(Red Copper Oxide)	Packet	1 oz.	1/4 lb.	1 lb.	5 lb.
Black Beauty	80	Oval, mid season, large	1/4 oz. .10	.35	1.00	3.50	3.25
Black King (Jap. Hybrid)	60	early, small	" .25	.75	2.50	9.00	8.00
<b>Endive</b>		(Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Green Curled Ruffec	95	Cut leaf, late	1 oz. .10	1.00	.85	.75	.70
Batavian Full Heart	90	Broad leaf, early	" .10	1.00	.85	.75	.70
<b>Kale—Curled</b>		(Hot Water and Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Blue Scotch	56	Dwarf, early	1 oz. .10	1.00	.85	.75	.70
Blue-Green Siberian	64	Long standing, late	" .10	1.00	.85	.75	.70
<b>Kohl Rabi</b>		(Hot Water and Red Copper Oxide)	Packet	1 oz.	1/4 lb.	1 lb.	5 lb.
White Vienna	60	Early forcing	1/4 oz. .10	.25	.75	2.50	2.25
Purple Vienna	65	Early dwarf	" .10	.25	.75	2.50	2.25
<b>Leek</b>		(Red Copper Oxide)	Packet	1 oz.	1/4 lb.	1 lb.	5 lb.
Large American Flag	150	Long thick stem, early	1/4 oz. .10	.25	.75	2.50	2.25

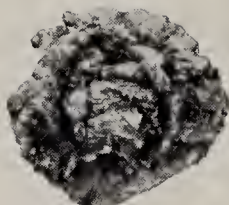
*The productiveness and uniformity of Eastern States cucumbers are noteworthy.*



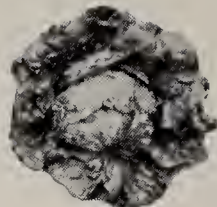




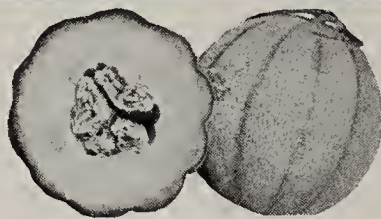
*White Boston is one of the best of the butter-head type of lettuce.*



*New York 12 often called Iceberg is one of the best strains of the crisp head type.*



*Honey Rock muskmelon is early, sweet and juicy.*



*Hearts of Gold is a popular late variety, heavily netted and ribbed.*

Order from this Column of Eastern States Vegetables	Days to Harvest	(Kind of Seed Treatment) Description of Type	Delivered prices per lb. or fraction. No charge for bags or transportation. Prices include seed treatment wherever specified.				
<b>Lettuce</b>							
Early Curled Simpson	65	(Red Copper Oxide) Loose leaf	Packet	1 lb.	5 lb.	10 lb.	25 lb.
New York No. 12	78	Crisp Head	1 oz. .10	1.00	.85	.75	.70
White Boston	70	Butter head	" .10	1.00	.85	.75	.70
Dark Green cos	80	Cos Green	" .10	1.00	.85	.75	.70
White Paris cos	80	Cos White	" .10	1.00	.85	.75	.70
<b>Muskmelon—Salmon Flesh</b>							
		(Corrosive Sublimate and Red Copper Oxide)	Packet	¼ lb.	1 lb.	5 lb.	10 lb.
Emerald Gem	85	Small globe ribbed, early	½ oz. .10	.50	1.50	1.25	1.00
Hale's Best	90	Large oval netted 2d early	" .10	.50	1.50	1.25	1.00
Osage (Millers Cream)	95	Large obl. ribbed mid early	" .10	.50	1.50	1.25	1.00
Benders Surprise	95	Large obl. ribbed midseason	" .10	.50	1.50	1.25	1.00
Honey Rock (Sugar R'k)	88	Large globe ribbed midlate	" .10	.50	1.50	1.25	1.00
Hearts of Gold	94	Large globe ribbed midlate	" .10	.50	1.50	1.25	1.00
<b>Watermelon</b>							
		(Corrosive Sublimate and Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Cole's Early	75	Oval pink flesh black seed	1 oz. .10	.75	.65	.55	.50
Gray Stone Early	80	Oval red flesh white seed	" .10	.75	.65	.55	.50
Kleckley's Sw't 2nd Ea.	85	Oblong red flesh white seed	" .10	.75	.65	.55	.50
Stone Mountain Late	90	Oval Scarlet fl. bl. tip seed	" .10	.75	.65	.55	.50
<b>Onion Seed—Yellow</b>							
		(Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Ebenezer	125	Flat deep, early	¼ oz. .10	.25	.75	2.50	2.25
Extra Early Yellow	120	Flat to oval, early	" .10	.35	1.00	3.50	3.25
Early Yellow Globe	125	Globe 2nd early	" .10	.25	.75	2.50	2.25
Yellow Globe Danvers	140	Globe mid early	" .10	.25	.75	2.50	2.25
Riverside Sweet Spanish	180	Globe Late	" .10	.25	.75	2.50	2.25
<b>Onion Seed—White</b>							
		(Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Southport White Globe	150	Globe	¼ oz. .10	.25	.75	2.50	2.25
Silverskin Wh. Portugal	150	Flat deep	" .10	.25	.75	2.50	2.25
<b>Onion Sets</b>							
		(No Treatment Advised)	1 lb.	5 lb.	10 lb.	25 lb.	100 lb.
Japanese Ebenezer	110	Yellow flat deep	.20	.18	.16	.14	.12
Golden Marvel Bottlen'k	120	Yellow oval	.20	.18	.16	.14	.12
Silverskin Wh. Portugal	120	White flat deep	.20	.18	.16	.14	.12



*Southport White Globe are choice picklers when small.*



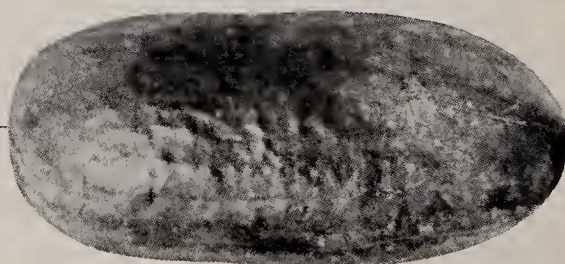
*Ebenezer Onion sets and seed produce a choice scallion.*



*The Ebenezer produces an early deep flat bulb.*



*Stone Mountain, a late melon of unusual quality.*



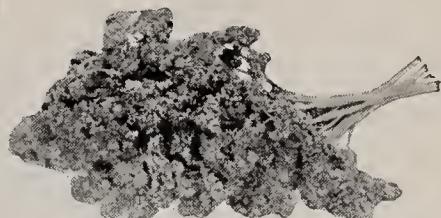
*Improved Kleckley's Sweet Melons are 2nd early and noted for their sweet flavor.*







*Giant King is an early large, thick walled pepper which turns red early and sells at a premium.*



*Peerless Moss Curled Parsley has long stems for easy bunching and is deeply curled.*

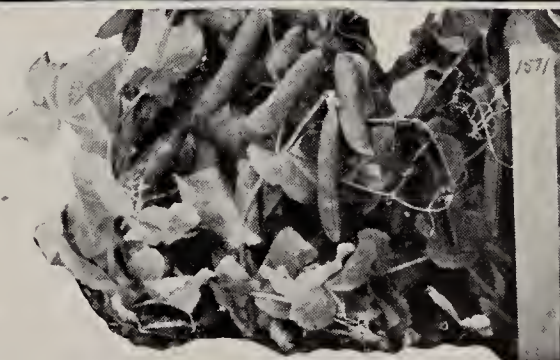


*{Right} Improved Hollow Crown Parsnip is long, white, smooth and very uniform in type.*

Order from this Column of Eastern States Vegetables	Days to Harvest	(Kind of Seed Treatment) Description of Type	Delivered prices per lb. or fraction. No charge for bags or transportation. Prices include seed treatment wherever specified.				
<b>Parsley</b>		(Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Emerald	120	Dwarf moss curled	1 oz. .10	.75	.65	.55	.50
Peerless Moss Curled	120	Long stem moss curled	.10	.75	.65	.55	.50
<b>Parsnip</b>		(Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Improved Hollow Crown	150	Long white smooth	1 oz. .10	.75	.65	.55	.50
<b>Pea—Wrinkled</b>		(Red Copper Oxide)	Packet	5 lb.	10 lb.	25 lb.	100 lb.
World Record (Im- proved Gradus)	60	Semi dwarf, early	6 oz. .10	.18	.16	.15	.13
Little Marvel	62	Dwarf, early	" .10	.18	.16	.15	.13
Laxtonian Type	64	Dwarf, 2nd early	" .10	.18	.16	.15	.13
(Hundredfold Lax. Progress)							
Stratagem	79	Dwarf, late	" .10	.18	.16	.15	.13
Alderman (Improved Telephone)	75	Tall, late	" .10	.18	.16	.15	.13
Surprise	63	Canner, semi dwarf, early	" .10	.18	.16	.15	.13
Dwarf Grey Sugar	68	Edible pod, dwarf, 2d early	" .10	.25	.22	.20	.18
Mammoth Melt. Sugar	74	Edible pod, tall, late	" .10	.25	.22	.20	.18
<b>Pepper—Sweet</b>		(Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Early Giant	62	Short, heavy, early	¼ oz. .10	.50	1.50	5.00	4.50
Giant King	68	Long, heavy, early	" .10	.50	1.50	5.00	4.50
World Beater	75	Long, heavy, late	" .10	.50	1.50	5.00	4.50
California Wonder	80	Short, heavy, late	" .10	.50	1.50	5.00	4.50
<b>Pepper—Hot</b>		(Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Long Red Cayenne	75	Long, slender, early	¼ oz. .10	.50	1.50	5.00	4.50
Tobasco	95	Small, tapering, late	" .10	.50	1.50	5.00	4.50



*The home garden is incomplete without the delicious Little Marvel.*



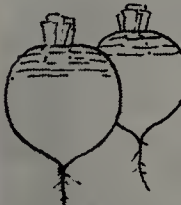
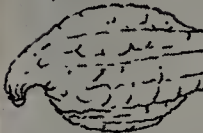
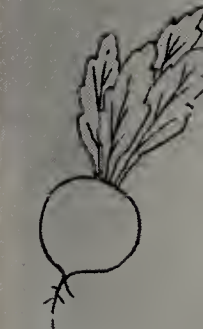
*Laxtonian vines are usually loaded with large, plump pods.*





*Connecticut Field Pumpkin is the standard for Halloween faces and good for pies as well. Popular at Thanksgiving time.*

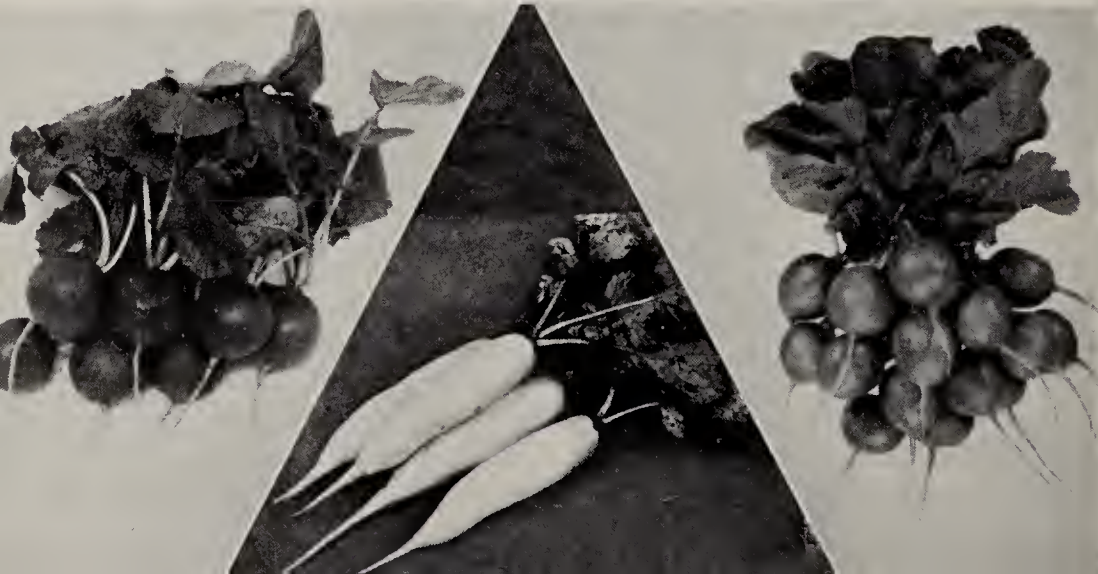
Order from this Column of Eastern States Vegetables	Days to Harvest	(Kind of Seed Treatment) Description of Type	Delivered prices per lb. or fraction. No charge for bags or transportation. Prices include seed treatment wherever specified.				
<b>Pumpkin</b>		(Corrosive Sublimate and Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Connecticut Field	120	Field, round, yellow	1 oz. .10	.75	.65	.55	.50
New England Pie	118	Pie, round, yellow	" .10	.75	.65	.55	.50
Winter Luxury	100	Pie, round, yellow, netted	" .10	1.00	.85	.75	.70
Large Cheese	108	Pie, flat, canner	" .10	1.00	.85	.75	.70
<b>Radish</b>		(Hot Water and Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Early Scarlet Globe	24	Early, globe, scarlet	1 oz. .10	.75	.65	.55	.50
Crimson Giant	28	2nd early, globe, crimson	" .10	.75	.65	.55	.50
Sparkler White Tip	26	Early scarlet white tip	" .10	.75	.65	.55	.50
Philadelphia White Box	28	Early globe, white	" .10	.75	.65	.55	.50
Long Scarlet	27	Early long, scarlet	" .10	.75	.65	.55	.50
White Icicle	27	Early long, white	" .10	.75	.65	.55	.50
Chinese Winter Celestial	60	Late, large, long, white	" .10	.75	.65	.55	.50
<b>Rhubarb Roots</b>		(No Treatment Advised)					
Victoria Selection	2 yrs.	Mammoth strawberry	Packed F.O.B. \$15.00 per 100, \$125.00 per 1000				
<b>Salsify</b>		(Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Mammoth Sandwich Island	270	Oyster plant	¼ oz. .10	.25	.75	2.50	2.25



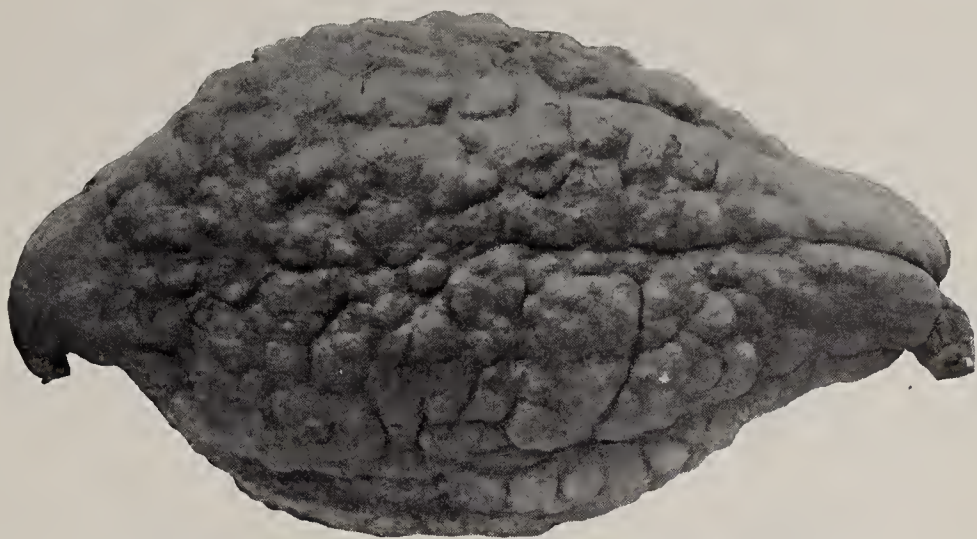
*Crimson Giant, large, crisp, solid, sweet.*

*White Icicle, thick and uniform.*

*Early Scarlet Globe, the highest refined market radish.*







*The Boston type of Blue Hubbard squash is heavily fleshed. The solid ends increase the proportion of meat to seed cavity. A good keeper.*

Order from this Column of Eastern States Vegetables	Days to Harvest	(Kind of Seed Treatment) Description of Type	Delivered prices per lb. or fraction. No charge for bags or transportation. Prices include seed treatment wherever specified.				
			Packet	1 lb.	5 lb.	10 lb.	25 lb.
<b>Squash—Summer Bush</b>							
		(Corrosive Sublimate and Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Summer Straight Neck	50	Yellow warted, early	½ oz. .10	2.75	2.50	2.25	2.00
Long Cocozelle	65	Green striped smooth 2d E.	" .10	2.75	2.50	2.25	2.00
White Bush Scallop	55	White Patty Pan	" .10	2.75	2.50	2.25	2.00
<b>Squash—Fall and Winter</b>							
		(Corrosive Sublimate and Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Des Moines	68	Green acorn table queen	½ oz. .10	2.75	2.50	2.25	2.00
Golden Delicious	100	Orange top dry flesh	" .10	2.75	2.50	2.25	2.00
Green Delicious	100	Green top dry flesh	" .10	2.75	2.50	2.25	2.00
Blue Hubbard	110	Blue warted	" .10	2.75	2.50	2.25	2.00
Vermont Hubbard	110	Green warted	" .10	2.75	2.50	2.25	2.00
Warren's Essex Hybrid	105	Red Turban	" .10	2.75	2.50	2.25	2.00
<b>Spinach</b>							
		(Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Dark Green Bloomsdale	38	Savoy early	4 oz. .10	.22	.20	.18	.16
Long Standing Bloomsdale	42	Savoy, 2nd early	" .10	.22	.20	.18	.16
Va. Blight Resist. Savoy	38	Blight res't savoy, late	" .10	.22	.20	.18	.16
Giant Nobel Thick Leaf	45	Large smooth long standing	" .10	.30	.25	.22	.20
New Zealand	75	Early planted summer cut	1 oz. .10	.60	.50	.40	.30

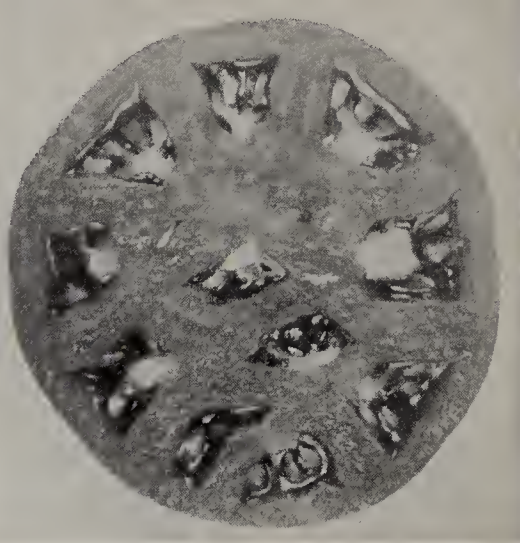
*An extra early lemon yellow strain of Connecticut Straight Neck Squash*

*Long Standing Spinach is deeply savoyed.*

*Golden Delicious is of excellent quality.*







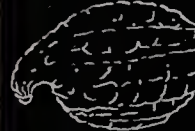
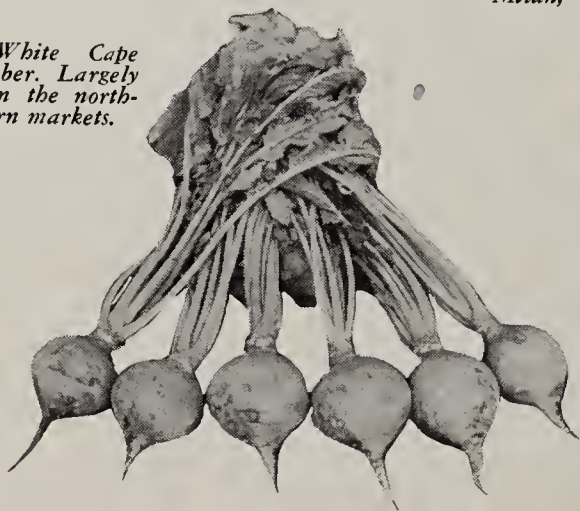
{Top} Globe, a pink fruit of real merit  
{Bottom} Stone, the late market type.

{Top} Penn State Earliana, first on the market. {Bottom} Marglobe, the ideal main crop type.

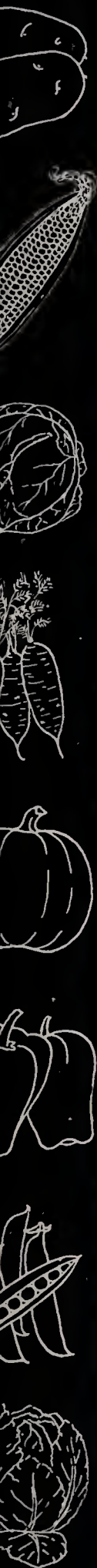
Order from this Column of Eastern States Vegetables	Days to Harvest	(Kind of Seed Treatment)	Delivered prices per lb. or fraction. No charge for bags or transportation. Prices include seed treatment wherever specified.				
		Description of Type					
<b>Tomato</b>		(Corrosive Sublimate and Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Penn State Earliana	65	Scarlet oval, very early	¼ oz. .10	.35	1.00	3.50	3.25
John Baer (Bonny Best)	70	Scarlet globe, 2nd early	" .10	.35	1.00	3.50	3.25
Pritchard	75	Scarlet topper, mid early	" .10	.35	1.00	3.50	3.25
Marglobe	80	Scarlet wilt res't main crop	" .10	.35	1.00	3.50	3.25
Stone	85	Scarlet oval, late	" .10	.35	1.00	3.50	3.25
Globe	85	Pink globe, main crop	" .10	.35	1.00	3.50	3.25
Golden Queen	85	Yellow globe, main crop	⅛ oz. .10	.50	1.50	5.00	4.50
<b>Tomato—Pickling</b>		(Corrosive Sublimate and Red Copper Oxide)	Packet	1 oz.	¼ lb.	1 lb.	5 lb.
Red Pear	74	Small fruited pickling	⅛ oz. .10	.50	1.50	5.00	4.50
Yellow Pear	74	Small fruited pickling	" .10	.50	1.50	5.00	4.50

Early Purple Top White  
Milan, an early summer  
turnip.

The White Cape  
Macomber. Largely  
used on the north-  
eastern markets.







Eastern States vegetable trial grounds are the basis of proof for dependable performance.



Order from this Column of Eastern States Vegetables	Days to Harvest	(Kind of Seed Treatment) Description of Type	Delivered prices per lb. or fraction. No charge for bags or transportation. Prices include seed treatment wherever specified.				
<b>Turnip</b>		(Hot Water and Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
Purple Top White Milan	42	White flesh, early	1 oz. .10	.75	.65	.55	.50
Purple Top White Globe	55	White flesh, late	" .10	.75	.65	.55	.50
Golden Ball (Orange Jelly)	60	Yellow flesh, mid late	" .10	.75	.65	.55	.50
<b>Rutabaga</b>		(Hot Water and Red Copper Oxide)	Packet	1 lb.	5 lb.	10 lb.	25 lb.
L. I. Neckless Purple Top	80	Yellow flesh, round	1 oz..10	.75	.65	.55	.50
Macomber (White Cape)	85	White flesh, round	" .10	.75	.65	.55	.50

### Number of plants to the acre at given distances

Dis. apart	No. plants	Dis. apart	No. plants
12 x 1 in.....	522,720	30 x 12 in.....	17,424
12 x 3 in.....	174,240	30 x 16 in.....	13,068
12 x 12 in.....	43,560	30 x 20 in.....	10,454
16 x 1 in.....	392,040	30 x 24 in.....	8,712
18 x 1 in.....	348,480	30 x 30 in.....	6,970
18 x 3 in.....	116,160	36 x 3 in.....	58,080
18 x 12 in.....	29,040	36 x 12 in.....	14,520
18 x 18 in.....	19,360	36 x 18 in.....	9,680
20 x 1 in.....	313,635	36 x 24 in.....	7,260
20 x 20 in.....	15,681	36 x 36 in.....	4,840
24 x 1 in.....	261,360	42 x 12 in.....	12,446
24 x 18 in.....	15,520	42 x 24 in.....	6,223
24 x 24 in.....	10,890	42 x 36 in.....	4,148
30 x 1 in.....	209,088	48 x 12 in.....	10,890
30 x 6 in.....	34,848	48 x 18 in.....	7,790
		48 x 24 in.....	5,445
		48 x 30 in.....	4,356
		48 x 36 in.....	3,630
		48 x 48 in.....	2,723
		60 x 36 in.....	2,901
		60 x 48 in.....	2,178
		60 x 60 in.....	1,743
		8 x 1 ft.....	5,445
		8 x 3 ft.....	1,815
		8 x 8 ft.....	680
		10 x 1 ft.....	4,356
		10 x 6 ft.....	726
		10 x 10 ft.....	435
		12 x 1 ft.....	3,630
		12 x 5 ft.....	736
		12 x 12 ft.....	302
		16 x 1 ft.....	2,722
		16 x 16 ft.....	170



Approximate number of feet of row per acre at given distances:		
Distance between rows:	18 inches	24 inches
Feet of row:	29010	21758
Distance between rows:	30 inches	36 inches
Feet of row:	17427	14526
Distance between rows:	42 inches	48 inches
Feet of row:	12439	10853



A PLANTING CHART FOR EASTERN STATES VEGETABLES

Kind of Vegetable	Av. % Germ. 1 yr.	Av. Life Year	No. Of Seeds Per Oz.	Seed For 100'	Seed Per Acres	Seeds For Given No. Plants	Time to Grow Before Field Transplanting	Plant For Forcing	Field Planting Dates—Seed	Inches Between Rows	Inches Apart In Row	Depth Plant Inch	Days To Harvest	Relative Lime Needs	Not Below pH
Asparagus Seed.....	80	3	1250	1 oz.	5#	1#-12000	1 year	—	4/1-5/15	16-24	3-6	1	4 yrs.	Very High	6.5
Asparagus Roots.....	—	—	—	50 Roots	9680	—	—	—	4/1-5/15	36-48	18-24	6-10	3 yrs.	Very High	6.5
Beans—Bush.....	85	3	60-75	1 lb.	60#	—	—	—	5/1-8/1	24-30	2-4	1-1½	45-70	Medium	5.5
Beans—Pole.....	85	3	50-75	½ lb.	30#	—	—	—	5/15-6/1	36-48	6-48	1-1½	75-90	Medium	5.5
Beet—Table.....	70	4	1500	1 oz.	10#	1 oz.-2000	3 to 4 weeks	2/1-3/1	4/1-8/1	12-18	1½-3	½	50-75	Very High	6.5
Beet—Mangel.....	70	4	1200	½ oz.	6-8#	—	—	—	5/1-6/1	18-36	4-6	½	90-95	Very High	6.5
Beet—Swiss Chard.....	70	4	1100	½ oz.	4-6#	—	—	—	5/1-6/1	24-30	4-6	½	50-75	High	6.0
Broccoli.....	80	4	10500	¼ oz.	3 oz.	1 oz.-5000	6 to 8 weeks	2/1-3/1	4/1-6/15	24-36	18-24	½	65-100	Very High	6.5
Brussels Sprouts.....	75	4	6500	¼ oz.	4 oz.	1 oz.-3000	6 to 8 weeks	—	5/1-6/1	24-36	18-24	½	95-120	Medium	5.5
Cabbage.....	80	4	8500	¼ oz.	4 oz.	1 oz.-4000	5 to 7 weeks	2/1-3/1	4/1-6/15	24-36	14-24	½	60-120	High	6.0
Cabbage Chinese.....	80	4	7000	¼ oz.	4 oz.	1 oz.-3000	6 to 8 weeks	—	7/1-8/1	18-24	14-18	½	75-90	High	6.0
Carrot.....	70	3	27000	¼ oz.	3-5#	—	—	—	4/1-7/1	12-16	1-3	½	60-100	High	6.0
Cauliflower.....	75	4	10500	¼ oz.	4 oz.	1 oz.-3000	6 to 8 weeks	2/1-3/1	4/1-7/1	24-36	18-24	½	75-120	Very High	6.5
Celery.....	65	3	75000	¼ oz.	4 oz.	1 oz.-9000	9 to 12 weeks	2/1-3/1	5/1-5/15	24-48	4-8	½	75-120	Very High	6.5
Corn—Sweet.....	85	3	125	4 oz.	12#	—	—	—	5/1-6/20	30-40	6-8	1-1½	60-90	Medium	5.5
Cucumber.....	80	5	1000	½ oz.	2#	1 oz.-100 Hill	5 to 7 weeks	4/1-5/1	5/1-6/15	48-60	12-36	1-1½	60-75	High	6.0
Dandelion.....	75	4	35000	½ oz.	5-6#	—	—	—	4/1-9/1	18-24	6-10	¼	175-210	Medium	5.5
Egg Plant.....	65	4	5000	¼ oz.	6 oz.	1 oz.-2000	8 to 10 weeks	3/1-4/1	5/15-6/1	24-30	18-24	½	90-120	High	6.0
Endive.....	75	5	15000	½ oz.	4-5#	1 oz.-7500	5 to 6 weeks	3/1-4/1	4/15-7/1	18-24	12-18	½	90-100	Medium	5.5
Kale.....	75	4	7500	½ oz.	4-5#	—	—	—	4/1-7/15	24-36	18-24	½	55-65	High	6.0
Kohl-Rabi.....	80	3	8000	½ oz.	4-5#	—	—	—	4/1-8/15	18-24	4-6	½	55-65	Medium	5.5
Leek.....	80	2	9000	½ oz.	4-5#	—	—	—	4/1-5/1	18-24	3-4	½	Winter	Very High	6.5
Lettuce.....	80	5	16000	¼ oz.	3-4#	1 oz.-8000	5 to 6 weeks	3/1-4/1	4/1-7/25	16-18	12-16	¼	45-75	Very High	6.5
Muskmelon.....	80	5	1200	½ oz.	2-3#	1 oz.-50 Hill	5 to 6 weeks	4/1-5/1	5/1-6/1	72-84	48-60	1-1½	85-95	Very High	6.5
Watermelon.....	80	5	200	1 oz.	3-4#	1 oz.-25 Hill	5 to 6 weeks	4/1-5/1	5/1-6/1	84-96	60-72	1-1½	80-90	Very Low	4.5
Onion Seed.....	75	2	12000	½ oz.	4-5#	1 oz.-6000	9 to 12 weeks	1/1-2/1	4/1-5/1	18-24	3-4	½	150-200	Very High	6.5
Onion Sets.....	—	—	—	2 lb.	300#	—	—	—	4/1-5/1	18-24	3-4	1-1½	90-100	Very High	6.5
Parsley.....	65	1	17500	½ oz.	3-4#	—	—	—	4/1-8/1	12-18	4-6	¼	120-150	Low	5.0
Parsnip.....	65	1	5600	½ oz.	4-6#	—	—	—	4/15-5/1	18-24	3-4	½	Winter	High	6.0
Pea.....	85	3	90	1 lb.	90#	—	—	—	4/1-5/1	24-36	2-3	½-1½	60-75	High	6.0
Pepper.....	65	2	4000	¼ oz.	3 oz.	1 oz.-1500	8 to 9 weeks	3/1-4/1	5/15-6/1	24-36	18-24	½	65-90	High	6.0
Pumpkin.....	80	4	100	½ oz.	4-5#	¾#-100 Hill	—	—	5/15-6/1	84-96	60-72	1-1½	110-120	High	6.0
Radish.....	85	4	3500	1 oz.	12#	—	—	—	4/1-9/1	12-14	1-2	½	24-30	Low	5.0
Rhubarb Roots.....	—	—	—	25 Roots	3000	—	—	—	4/1-9/1	48-56	36-48	—	2 yrs.	Medium	5.5
Salsify.....	75	1	4500	1 oz.	7-8#	—	—	—	4/15-5/1	20-24	2-3	½	Winter	Very High	6.5
Spinach.....	70	3	3000	1 oz.	12#	—	—	—	3/1-9/15	14-18	3-6	½	40-50	Very High	6.5
Spinach New Zealand.....	70	3	350	2 oz.	15#	—	—	—	4/15-5/1	48-56	36-48	1-1½	60-90	Very High	6.5
Squash Summer.....	80	4	300	1 oz.	3-5#	¼#-100 Hill	5 to 7 weeks	4/1-5/1	5/15-6/1	42-48	42-48	1-1½	55-65	Low	5.0
Squash Winter.....	80	4	125	2 oz.	2-3#	½#-100 Hill	7 to 9 weeks	—	6/1-6/10	72-84	60-72	1-1½	100-120	Low	5.0
Tomato.....	80	3	7500	¼ oz.	2 oz.	1 oz.-3000	—	—	5/15-6/1	40-60	36-48	½	65-90	High	6.0
Turnip.....	85	4	10000	½ oz.	1-2#	—	—	—	4/1-8/1	12-18	2-4	½	60-90	Low	5.0
Tutabaga.....	85	4	10000	½ oz.	1-2#	—	—	—	6/15-7/1	18-24	4-6	½	80-110	Low	5.0

The average germination of 1-year-old seed is conservatively based on vitality rather than mere germination. Guarantees between 80% and 90% may vary 7%, those between 70% and 80% may vary 8% and between 60% and 70% may vary 9% above or below the guarantee. This tolerance is approved by the Official Seed Analysis of North America.

The number of plants obtainable from a given quantity of seed depends upon many factors other than the seed. Even under favorable culture only the best plants should be used, discarding all weaklings. Proper control of temperature, watering, ventilation, spacing, fertilizing and handling reduces the percentage of weak plants.

The time of planting and days to harvest (from outdoor seeding or transplanting) are only approximate and vary with location, season, variety, fertility, moisture, spacing and management. Have your soil in every field tested for acidity. Apply sufficient lime to meet the needs of the crops to be grown or choose the crops which are best adapted to the conditions in each field.







**REMIT WITH ORDER TO AVOID C.O.D. CHARGES**[illegible]

It is mutually understood that the quantity and kind of seeds specified in this order are subject to change by reason of necessary variation in the cropping plans of the buyer, upon presentation of satisfactory explanation in writing to the Springfield office of the Exchange. Any additions to this order are subject to confirmation by the Exchange.

The buyer agrees to pay cash in advance or C.O.D. upon the arrival of his shipment of seeds and recognize such Local Representative as is appointed locally to represent the Eastern States Farmers' Exchange. If shipment is requested by express or parcel post, the buyer agrees to pay transportation charges as an additional cost over the prices established according to the terms of this order.

It is mutually understood and agreed by both buyer and Exchange that this order is subject to suspension or cancellation by the Exchange by reason of inability to secure seeds of proper quality, or in case of strikes, car shortage, embargoes, or other unavoidable contingencies beyond the control of the Exchange.

When orders are placed prior to delivery to the Exchange of its seed from the current season's seed crop harvest, it is understood that the Exchange will exert its best efforts to deliver the required kinds and quantities of seed ordered, but in the event of partial or total crop failure, damage to or destruction of the intended seed or its sources, the Exchange shall be obligated to deliver pro-

portionate quantities only and reserve an amount of stock seed equal to that used in its plantings of the current season.

The buyer agrees that shipment under this order is made with the following conditions:

The Eastern States Farmers' Exchange of Springfield, Mass., has exercised all reasonable precautions in the production and distribution of this seed, but cannot be responsible for the operation of Nature's laws; nor govern the conditions under which the crop is grown. Therefore, upon the acceptance of this seed, it is mutually agreed that the Eastern States Farmers' Exchange gives no warranty express or implied, concerning the description, quality, productiveness or condition of the crop and shall in no case be liable for more than the amount actually paid for the seed. Statements of germination, description and other information are given as the report of our tests, observations and advice.

No agreement or statement except those in this order will be recognized, excepting official communications authorized by the Board of Directors (or the Executive Committee acting in their behalf) of the Eastern States Farmers' Exchange.

This order is subject to acceptance by the Springfield office of the Eastern States Farmers' Exchange.

**HAVE YOU MADE A COPY OF THIS ORDER FOR YOUR OWN RECORD?**



SPRINGFIELD, MASSACHUSETTS

## FORM 1329

State.....

**REMIT WITH ORDER TO AVOID C. O. D. CHARGES**

**This space for office use only**

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**KEEP A COPY OF THIS ORDER FOR YOUR OWN RECORD. Additional space on the other side**



**REMIT WITH ORDER TO AVOID C.O.D. CHARGES**[illegible]

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SPRINGFIELD, MASSACHUSETTS

## FORM 1329

State.....

**Railroad**  
**Station at**.....**State**.....

**REMIT WITH ORDER TO AVOID C. O. D. CHARGES**

**This order is given and accepted in accordance with the conditions printed on the back hereof**

**KEEP A COPY OF THIS ORDER FOR YOUR OWN RECORD. Additional space on the other side**

**REMIT WITH ORDER TO AVOID C.O.D. CHARGES**[illegible]

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SPRINGFIELD, MASSACHUSETTS

## FORM 1329

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[illegible]

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